Refinement of Software Reliability Models


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Abstract
Software Reliability Problem was observed from early days of computing. Those who are busy with the programming have experience of devoting maximum time in removing the error of the software. Some of the errors are easily removed through the software checking and testing. However, some errors are sufficiently obscure to escape detection for a surprisingly long time. Adequate performance is one thing which is to be clearly spelled out for defining the system reliability to avoid the problem in several incidents. Reliability of any system/component is defined as the probability that the system performs adequately for specified duration of the time under a specified environment condition. A review of some of the software reliability models and the revolution of the models in certain situations has been done.

References

- Software Reliability Engineering: Road Map By Michael R. Lyu
Refinement of Software Reliability Models


Index Terms

Computer Science

Current Trends In Advanced Computing

Keywords

Software Reliability  Reliability Models  Software Design Process